

## EAST Search History

| Ref # | Hits | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------|------------------|---------|------------------|
| S2    | 3    | ((("2003082321") or ("5358876") or ("6455620") or ("4947339"))).PN.                    | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2007/09/13 15:27 |
| S3    | 3    | ((("2003082321") or ("5358876") or ("6455620") or ("4947339"))).PN.                    | US-PGPUB; USPAT        | OR               | OFF     | 2007/09/13 15:27 |
| S4    | 321  | kennedy thomas.in.   | US-PGPUB; USPAT        | ADJ              | ON      | 2007/11/20 11:05 |
| S5    | 2    | S4 and osi   | US-PGPUB; USPAT        | ADJ              | ON      | 2007/09/13 15:27 |
| S7    | 0    | reiblinger klaus.in.   | US-PGPUB; USPAT        | ADJ              | ON      | 2007/09/13 15:29 |
| S8    | 2    | rieblinger klaus.in.   | US-PGPUB; USPAT        | ADJ              | ON      | 2007/09/13 15:30 |
| S9    | 1    | hubensteiner thomas.in.  | US-PGPUB; USPAT        | ADJ              | ON      | 2007/09/13 15:30 |
| S10   | 1    | wanner thomas.in.  | US-PGPUB; USPAT        | ADJ              | ON      | 2007/09/13 15:30 |
| S11   | 3    | ((("20030082321") or ("5358876") or ("6455620") or ("4947339"))).PN.                   | USPAT; USOCR           | OR               | OFF     | 2007/09/13 15:37 |
| S12   | 0    | ("20030082321").PN.  | USPAT; USOCR           | OR               | OFF     | 2007/09/13 15:38 |
| S13   | 1    | ("20030082321").PN.  | US-PGPUB; USPAT        | OR               | OFF     | 2007/09/17 12:19 |
| S14   | 3    | ((("2003082321") or ("5358876") or ("6455620") or ("4947339") or ("2004086749"))).PN.  | USPAT; USOCR           | OR               | OFF     | 2007/09/17 12:16 |
| S15   | 3    | ((("20030082321") or ("5358876") or ("6455620") or ("4947339") or ("2004086749"))).PN. | USPAT; USOCR           | OR               | OFF     | 2007/09/17 12:16 |
| S16   | 1    | rodler norbert.in.   | US-PGPUB; USPAT        | ADJ              | ON      | 2007/09/17 12:19 |
| S17   | 1    | rodler norbert.in.   | US-PGPUB; USPAT        | ADJ              | ON      | 2007/09/17 12:19 |
| S18   | 0    | ("2003082321").PN.   | USPAT; USOCR           | OR               | OFF     | 2007/09/24 13:54 |

|     |       |  |                           |     |     |                     |
|-----|-------|--|---------------------------|-----|-----|---------------------|
| S19 | 0     | ("20030082321").PN.  | USPAT; USOCR              | OR  | OFF | 2007/09/24<br>14:11 |
| S20 | 0     | ("200300082321").PN.   | USPAT; USOCR              | OR  | OFF | 2007/09/24<br>13:55 |
| S21 | 25    | kennedy thomas d.in.   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/09/24<br>14:10 |
| S22 | 1     | ("20030082321").PN.  | US-PGPUB;<br>USPAT; USOCR | OR  | OFF | 2007/09/24<br>14:11 |
| S23 | 3     | ((("2003082321") or<br>("5358876") or<br>("6455620") or<br>("4947339")).PN.  | USPAT; USOCR              | OR  | OFF | 2007/09/24<br>14:21 |
| S24 | 36372 | "436".clas.  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:05 |
| S25 | 50    | S24 and osi  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:05 |
| S26 | 2470  | S24 and oxygen and sensor  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:05 |
| S27 | 7845  | S24 and oxygen   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:05 |
| S28 | 3914  | S27 and (sensor or<br>indicator)   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:05 |
| S29 | 1131  | S28 and uv   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:05 |
| S30 | 1010  | S29 and @py<="2006"  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:06 |
| S31 | 1010  | S30 and @ay<="2006"  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:06 |
| S32 | 582   | S31 and (color or colour)  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:06 |
| S33 | 158   | S32 and circuit  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:06 |
| S34 | 290   | S32 and (microprocessor or<br>computer or processor)   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:07 |
| S35 | 48    | S34 and (moisture or<br>humidifier or dehumidifier)  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:07 |
| S36 | 1     | "5358876".pn.  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2007/11/20<br>11:07 |
| S37 | 14    | ("4169811"   "4357616"  <br>"4524015"   "4526752"  <br>"4856650"   "5039491"  <br>"5043285"   "5047350"  <br>"5094959"   "5096813"  <br>"5124130").PN. OR<br>("5358876").URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2007/11/20<br>11:07 |
| S38 | 1     | "4947339".pn.  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2007/11/20<br>11:08 |

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|-----|-------|---|---------------------------|-----|----|---------------------|
| S39 | 21    | ("3313157"   "3740320"  <br>"3942792"   "4335438"  <br>"4384925"   "4520654"  <br>"4638444"   "4744037"  <br>"4766550").PN. OR<br>("4947339").URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:08 |
| S40 | 0     | (S37 or S39) and osi  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:08 |
| S41 | 0     | S37 and osi   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:08 |
| S42 | 0     | S39 and osi   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:08 |
| S43 | 0     | (S37 oar S39) and oxygen  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:09 |
| S44 | 14    | S37 and oxygen  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:09 |
| S45 | 13    | S39 and oxygen  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:09 |
| S46 | 11    | S44 and (indicator or<br>analyzer or sensor)  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:09 |
| S47 | 11    | S45 and (indicator or<br>analyzer or sensor)  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:09 |
| S48 | 2     | S46 and 436/127.ccls.   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:10 |
| S49 | 0     | S47 and 436/127.ccls.   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:10 |
| S50 | 9     | S46 and 436/136.ccls.   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:11 |
| S51 | 0     | S47 and 436/136.ccls.   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2007/11/20<br>11:11 |
| S52 | 5968  | soi   | DERWENT                   | ADJ | ON | 2007/11/20<br>11:11 |
| S53 | 1766  | osi   | DERWENT                   | ADJ | ON | 2007/11/20<br>11:11 |
| S54 | 28    | S53 and (sensor or<br>detector or analyzer or<br>indicator)   | DERWENT                   | ADJ | ON | 2007/11/20<br>11:11 |
| S55 | 0     | osygen and (sensor or<br>detector or analyzer or<br>indicator)  | DERWENT                   | ADJ | ON | 2007/11/20<br>11:11 |
| S56 | 17873 | oxygen and (sensor or<br>detector or analyzer or<br>indicator)  | DERWENT                   | ADJ | ON | 2007/11/20<br>11:12 |
| S57 | 348   | S56 and color   | DERWENT                   | ADJ | ON | 2007/11/20<br>11:12 |
| S58 | 334   | S56 and (humidifier or<br>dehumidifier or moisture)   | DERWENT                   | ADJ | ON | 2007/11/20<br>11:12 |
| S59 | 19    | S58 and @py<="2006"<br>and @ay,="2006"  | DERWENT                   | ADJ | ON | 2007/11/20<br>11:12 |

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|-----|-----|---|---------------------------|-----|-----|---------------------|
| S60 | 288 | S58 and @py<="2006"<br>and @ay<="2006"  | DERWENT                   | ADJ | ON  | 2007/11/20<br>11:12 |
| S61 | 12  | S60 and housing   | DERWENT                   | ADJ | ON  | 2007/11/20<br>11:13 |
| S62 | 0   | ("70191524").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/06/11<br>15:58 |
| S63 | 1   | ("6660067").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/06/11<br>16:07 |
| S64 | 1   | ("5143763").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/06/11<br>16:08 |
| S65 | 352 | oxygen scavenger and<br>indicator   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/11<br>16:09 |
| S66 | 119 | S65 and pump  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/11<br>16:10 |
| S67 | 3   | ((("2003082321") or<br>("5358876") or<br>("6455620") or<br>("4947339")).PN.                   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/06/11<br>16:13 |
| S68 | 1   | ("20060147340").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/06/11<br>16:16 |
| S69 | 0   | oxygen scavenger indicator  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/11<br>16:24 |
| S70 | 3   | oxygen scavenger device   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/11<br>16:24 |
| S71 | 1   | OSI material  | DERWENT                   | ADJ | ON  | 2008/06/20<br>08:41 |
| S72 | 1   | OSI material  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/20<br>08:42 |
| S73 | 712 | oxygen scavenger with<br>material   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/20<br>08:42 |
| S74 | 6   | S73 with cell   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/20<br>08:42 |
| S75 | 1   | ("20020068017").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/06/20<br>09:14 |
| S76 | 7   | cell with uv with<br>wavelength with oxygen   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/20<br>09:17 |
| S77 | 2   | naatz ulf.in.   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/06/20<br>09:39 |
| S78 | 5   | ("4626413"   "5459075"  <br>"5473162"   "6007777"  <br>"6114700").PN. OR<br>("6793889").URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/06/20<br>09:40 |
| S79 | 0   | S78 and UW  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/06/20<br>09:40 |
| S80 | 3   | S78 and UV  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/06/20<br>09:40 |
| S81 | 2   | S80 and cell  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/06/20<br>09:41 |

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|------|-----|--|---------------------------|-----|-----|---------------------|
| S82  | 1   | ("20020108870").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/12<br>16:34 |
| S83  | 1   | JP-2003130841-\$.DID.  | DERWENT                   | ADJ | ON  | 2008/10/12<br>16:35 |
| S84  | 1   | ("6758962").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/12<br>16:39 |
| S85  | 1   | ("20040074773").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/12<br>16:43 |
| S86  | 1   | ("6279377").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/12<br>17:19 |
| S87  | 1   | WO-9819154-\$.DID.   | DERWENT                   | ADJ | ON  | 2008/10/12<br>17:27 |
| S88  | 1   | JP-08193972-\$.DID.  | DERWENT                   | ADJ | ON  | 2008/10/12<br>17:29 |
| S89  | 1   | ((("2002006801") or<br>("20030183801")).PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/12<br>17:50 |
| S90  | 2   | ((("20020068017") or<br>("20030183801")).PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/10/12<br>17:51 |
| S91  | 2   | ((("20020068017") or<br>("20030183801")).PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>11:45 |
| S92  | 2   | naatz ulf.in.  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/12/04<br>11:56 |
| S93  | 5   | ("4626413"   "5459075"  <br>"5473162"   "6007777"  <br>"6114700").PN. OR<br>("6793889").URPN.              | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/12/04<br>11:57 |
| S94  | 1   | ("20050173265").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>12:03 |
| S95  | 1   | ("20040074773").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>12:05 |
| S96  | 3   | ((("4432226") or<br>("5676133") or<br>("5549804")).PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>12:36 |
| S97  | 1   | ("7056482").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>12:50 |
| S98  | 1   | ("5496461").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>12:55 |
| S99  | 1   | ("5176849").PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>13:00 |
| S100 | 26  | ("4067690"   "4350606"  <br>"4689201"   "4847001"  <br>"5091108"   "5094814").<br>PN. OR ("5176849").URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/12/04<br>13:01 |
| S101 | 3   | "5549804"  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/12/04<br>13:06 |
| S102 | 926 | oxygen and scavenger and<br>circuit and pump and gas   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/12/04<br>13:07 |

|      |      |   |                           |     |     |                     |
|------|------|---|---------------------------|-----|-----|---------------------|
| S103 | 480  | S102 and @py<="2004"<br>and @ay<="2004"   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/12/04<br>13:07 |
| S104 | 293  | S103 and valve  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/12/04<br>13:07 |
| S105 | 7    | S104 and "436".clas.  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/12/04<br>13:08 |
| S106 | 3    | ((("2003082321") or<br>("5358876") or<br>("6455620") or<br>("4947339"))).PN.  | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>13:31 |
| S107 | 22   | ("3313157"   "3740320"  <br>"3942792"   "4335438"  <br>"4384925"   "4520654"  <br>"4638444"   "4744037"  <br>"4766550").PN. OR<br>("4947339").URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON  | 2008/12/04<br>13:31 |
| S108 | 27   | ("3740320").URPN.   | USPAT                     | ADJ | ON  | 2008/12/04<br>14:52 |
| S109 | 1    | ("6758962").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>15:15 |
| S110 | 1    | ("20020108870").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>15:19 |
| S111 | 1    | ("6279377").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>15:21 |
| S112 | 1    | ("6453724").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>15:23 |
| S113 | 1    | ("5547552").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>15:26 |
| S114 | 3    | ((("4769124") or<br>("4601809") or<br>("4724815"))).PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>15:31 |
| S115 | 2    | ((("5034112") or<br>("4698209"))).PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/04<br>15:33 |
| S116 | 6085 | oxygen with circuit and<br>concentration  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/12/04<br>15:40 |
| S117 | 2356 | S116 and pump   | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/12/04<br>15:40 |
| S118 | 1416 | S117 and valve  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/12/04<br>15:40 |
| S119 | 63   | S118 and (four with valve)  | US-PGPUB;<br>USPAT        | ADJ | ON  | 2008/12/04<br>15:40 |
| S120 | 1    | ("5906672").PN.   | US-PGPUB;<br>USPAT        | OR  | OFF | 2008/12/05<br>14:40 |

|      |       |   |                           |     |    |                     |
|------|-------|---|---------------------------|-----|----|---------------------|
| S121 | 59    | ("2944627"   "3142547"  <br>"3280536"   "3313091"  <br>"4222750"   "4247311"  <br>"4259548"   "4263018"  <br>"4336590"   "4449990"  <br>"4459266"   "4472177"  <br>"4516424"   "4561287"  <br>"4576616"   "4627860"  <br>"4648888"   "4687013"  <br>"4822384"   "4857086"  <br>"5071453"   "5247826"  <br>"5340381"   "5407465"  <br>"5469372"   "5474595"  <br>"5486226"   "5490871"  <br>"5529607"   "5531807"  <br>"5593478"   "5627323").<br>PN. OR ("5906672").URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:40 |
| S122 | 40    | S121 and @py<="2004"<br>and @ay<="2004"   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:40 |
| S123 | 0     | S122 and radiation and uv   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:41 |
| S124 | 4     | S122 and radiation  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:41 |
| S125 | 3     | S122 and color  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:43 |
| S126 | 20249 | "95".clas.  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:52 |
| S127 | 9599  | S126 and @py<="2004"<br>and @ay<="2004"   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:52 |
| S128 | 59    | S127 and oxygen and<br>radiation and uv   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:52 |
| S129 | 4     | S128 and measure and<br>color   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>14:52 |
| S130 | 138   | sieve with transparent  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:06 |
| S131 | 22    | S130 and oxygen   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:07 |
| S132 | 12    | S131 and @py<="2004"<br>and @ay<="2004"   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:07 |
| S133 | 1     | S132 and radiation  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:08 |
| S134 | 5     | S132 and color  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:29 |
| S135 | 138   | sieve with transparent  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:32 |
| S136 | 23    | S135 and radiation  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:33 |
| S137 | 13    | S136 and @py<="2004"<br>and @ay<="2004"   | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:33 |

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|------|---|-----------------|---------------------------|-----|----|---------------------|
| S138 | 1 | S137 and oxygen | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2008/12/05<br>15:33 |
|------|---|-----------------|---------------------------|-----|----|---------------------|

12/ 5/ 2008 3:47:37 PM

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